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MONTHLY WEATHER MAP

METEOROLOGICAL SERVICE, DOMINION OF CANADA

MARCH 1930

TEMPERATURE

March, 1930, was a mild month over by far the greater part of the Dominion.

In the southern Yukon, the upper Mackenzie valley, the Peace and Athabaska valleys as well as over the greater part of the western grain region, the excess over normal mean temperature was three to nine degrees.

In northwestern Ontario from Lake Superior westward to Manitoba, the excess was three to six degrees. In southwestern Ontario, the upper St. Lawrence and lower Ottawa valleys, the excess was one to three degrees. A small part of Ontario north from the Georgian Bay to James Bay and eastward from Lake Superior to the Quebec boundary was a little cooler than in a normal March.

In the St. Lawrence valley and in the Atlantic Provinces except southwestern Nova Scotia, there was an excess, one or two degrees in the St. Lawrence valley, and two to four degrees in the Atlantic Provinces.

In that part of Quebec lying northwest of the St. Lawrence towards James Bay, the month was cool, with a deficiency of four or five degrees on the height of land.

From the delta of the MacKenzie, southeasterly to the west side of Hudson Bay, the temperature was a little lower than usual, but on the east side of Hudson Bay, in Hudson Strait, the eastern Archipelago and Greenland, the month was exceptionally mild.

PRECIPITATION

Precipitation was considerably above the normal amount in the Yukon and the lower MacKenzie valley, in parts of northern Ontario, along the lower St. Lawrence valley and part of the Gulf region, and in parts of the Atlantic Provinces. There was a moderate excess in the counties north of Lakes Erie and Ontario and in western and northern Manitoba, part of northeastern Saskatchewan, locally in Alberta, and locally in the interior of British Columbia.

There was a moderate deficiency in western and southwestern British Columbia, except locally. There was a moderate deficiency in Alberta and Saskatchewan, as a whole, but a fairly large deficiency in northern Alberta and the extreme southern portions of both Alberta and Saskatchewan. A moderate deficiency occurred in the eastern portion of the Atlantic Provinces.

BRITISH COLUMBIA

On the north coast temperatures averaged a little below the normal March temperature, but on the south coast and in the interior there was an excess over normal of one to three degrees.

Precipitation was generally less than the normal amount except locally.

Vegetation advanced normally after the nineteenth on Vancouver Island and the lower mainland. While in the interior frosty nights were of frequent occurrence, day temperatures and bright sunshine were, both, generally well above normal.

ALBERTA, SASKATCHEWAN and MANITOBA

At the close of April, snow lay upon the ground over a considerable portion of the grain region, although it was melting rapidly. There was bare ground in southern districts of Alberta and Saskatchewan, while elsewhere it varied from patches to ten or twelve inches, except in Manitoba where eight to ten inches was about the average depth with some places reporting twenty inches and a few as much as four feet.

The month was four to nine degrees warmer than a normal March while precipitation was somewhat less than usual over the greater part of Alberta and Saskatchewan and generally above normal in Manitoba.

Since the first of September 1929 to the first of April 1930, precipitation in Alberta has been about 90% of the normal amount, in Saskatchewan 95% and in Manitoba 115% of the normal amount. In ponds and sloughs there was more water than on the same date last year.

Farmers expected to commence work on the land in southern Alberta and central Saskatchewan about the end of the first week in April while the late and heavy snow cover in Manitoba was considered likely to delay work in that province.

ONTARIO

Differences from normal temperature in Ontario were not large except in the extreme northwest where there was an excess of five or six degrees. In southern Ontario there was generally a slight excess.

In northwestern Ontario precipitation was nearly normal, while in the north central portions and along the shores of the lower lakes there was an excess. In the south central region and in the lower Ottawa valley and the Georgian Bay region precipitation was deficient.

QUEBEC

The month was quite cold in the northwestern region but one to three degrees warmer than usual in the valley of the St. Lawrence down to the Gulf.

Precipitation was deficient in the lower Ottawa valley but in the lower St. Lawrence valley, the Lake St. John region, and the nothern part of the Gaspé peninsula was well above the normal amount.

ATLANTIC PROVINCES

Mean temperatures were about one or two degrees above normal in New Brunswick and two to four degrees above normal in Nova Scotia and Prince Edward Island except in the extreme southwestern portion of Nova Scotia where temperatures were only normal or a little below.

In New Brunswick along the coast from Chaleur Bay southwards, in Prince Edward Island, and in eastern Nova Scotia precipitation was less than the normal amount. In southern New Brunswick there was a considerable excess, and in western Nova Scotia a moderate excess. During the first three weeks there were frequent strong winds and gales.

HUDSON STRAIT

The month was exceptionally mild in the Straits and in western Greenland. At Churchill, however, the temperature was just normal.

SPECIAL REPORTS

NOTE—Column H is Highest Temperature; Column L is Lowest Temperature; Column P is Precipitation in inches; Column I denotes total of bright sunshine in hours during the month; Column Sg denotes depth of snow on ground in inches, where given.

ALBERTA, SASKATCHEWAN, and MANITOBA

STATION	H	L	P	I	Sg.	SPECIAL REPORTS
Beaver Lodge	60°	-21°	0.5	212		Ground nearly all bare. Roads bad.
Edmonton	63°	-12°	0.2	244		March opened cold with below zero temperatures, becoming mild with brilliant sunshine until 17th. The 18th brought a sudden drop in temperature until 20th, continuing mild with cool winds until the close of the month. Very light precipitation. Work on land not yet started. Stock in excellent condition. River ice under water with large open reaches. River has risen 3 inches. Big demand for seed is reported.
Calgary	69°	-20°	3.8	177		Patches of snow on ground.
Medicine Hat	62°	-2°	T	143		Ice cleared off river during last week of month.
Prince Albert	43°	-15°	1.3		4	Ice 24 inches thick. Roads in bad condition.
Battleford	53°	-12°	0.2			Ice 30 inches thick. Snow practically all gone except in low places. Stock feeding out. Farmers expect to be working on land next week.
Scott	52°	-14°	0.4	179		
Swift Current	55°	-8°	0.2	172		A cold backward month.
Moose Jaw	52°	-10°	0.5	179		
Qu'Appelle	42°	-20°	0.6	197		Snow going fast.
Le Pas	43°	-27°	0.7	172	3	
Minnedosa	38°	-17°	1.6		9	Ice 32 inches thick.
Winnipeg	40°	-13°	1.0	190	8	
Oak Bank	41°	-13°	1.9		15	Several violent winds during the month.
Swan Lake	40°	-12°	0.1		48	Very little snow has gone.
St. Albans (Treesbank)	45°	-14°	0.5		18	A moderate month. Practically no feed for stock on prairies. Horses which have wintered in the open are in rather poor condition.
Graysville	40°	-3°	1.0			An exceptionally backward month.
Morris	43°	-15°	...		30	Snow melting fast. Month ended spring-like.
Treherne	41°	-14°	0.8		16	Roads in good condition. Sleighing good. Stock looking fairly well but feed will be scarce.
Dauphin	47°	-17°	0.3			Sleighing fairly good.
Forrest	36°	-8°	0.7			Sleighing good.
Sprague	41°	-18°	0.4			
Russell	41°	-25°	...			Blizzard on the 19th.
Morden	46°	-9°	0.7	208		Northwest gale on the 19th.
Birtle	40°	-21°	0.4		15	The month has been colder than usual but fine though windy. On ploughed land the earth is shewing through the snow in patches. Spring is somewhat backward and seeding will be rather late in starting.
Brandon	40°	-16°	0.5	195	10	The temperature of the month was about average. Good sleighing ended about the 10th.
Ninette	46°	-12°	0.1			Snow is going, Ice is still solid on Pelican Lake.

ONTARIO

Kenora	42°	-13°	1.0			Snow nearly gone.
Quorn	42°	-25°	1.0		2	
Port Arthur	43°	-6°	0.8			No snow in vicinity. No change in condition of ice, one unbroken sheet 10 to 20 inches thick to within a few miles from Cape. Month has been fair with high winds. Inland streams still frozen over.
White River	41°	-33°	2.2		12	Ice 12 inches thick.
Kapuskasing	42°	-20°	3.4	108		
Cochrane	43°	-15°	3.0		4	
Ruel	55°	-20°	2.9		12	Thickness of ice averages 12 inches. No green growth yet.
New Liskeard	42°	-10°	2.5	118		
Parry Sound	45°	5°	1.8		3	Ice in Sound 10 inches thick. Ice on shore line shews no break.
Scotia Junction	45°	-8°	1.4		15	Ground bare in some places.
Beatrice	45°	-7°	1.7		10	
Washago	...	...	2.0			Ground bare in the open, 9 inches of snow in the bush. Ice on Lake Couchiching 20 inches.
Beeton	57°	2°	4.4		1	Roads in poor condition.
Alton	47°	5°	3.9		6	Trees covered with glaze on the 26th.
Walkerton	50°	6°	2.8			Maple sugar season was good.
Mount Forest	54°	4°	2.1		2	Recent snows have been of benefit to winter wheat, hay and grass. Ice still solid above the dam.
Stratford	58°	12°	4.1		0	
Brucefield	59°	9°	2.3		1	
Lucknow	53°	-7°	1.5		3	
Southampton	54°	9°	1.8		1	Ice 16 inches thick.
Woodstock	60°	13°	2.1	117	T	
London	64°	13°	3.2		T	Considerably more snow and less rain fell than is usual in March.
Paris	61°	14°	3.7			
Simcoe	64°	13°	2.2		0	Ground bare by the middle of the month. Snowfall towards the end of the month was of benefit to winter wheat.
Harrow	65°	14°	0.6	138		
Toronto	51°	15°	3.2	139		Patches of snow and ice on ground.
Bloomfield	49°	0	4.0			
Kingston	47°	7°	2.9	135	0	Ice in the harbour 10 inches thick but navigation to Wolfe Island began on March 2nd through open channel.
Peterboro'	47°	3°	3.2		T	
Queensboro'	45°	-6°	2.9			Ice moving in the lower river.
Healey Falls	42°	9°	2 7		0	
Brockville	50°	3°	2.3			Ice gone from the St. Lawrence River. Water high in the small streams.
Morrisburg	46°	3°	4.3		0	Maple sugar season has been poor.
Ottawa	47°	4°	1.8			
Ottawa (Exp. Farm)	43°	-1°	1.8	141		
Sand Point	44°	-6°	1.6		T	Ice on the lake now honeycombed. Snow going rapidly.
Pembroke	49°	-3°	1.8			Ice on the Ottawa River now unsafe for crossing.
Clontarf	50°	-7°	1.6		0	

QUEBEC

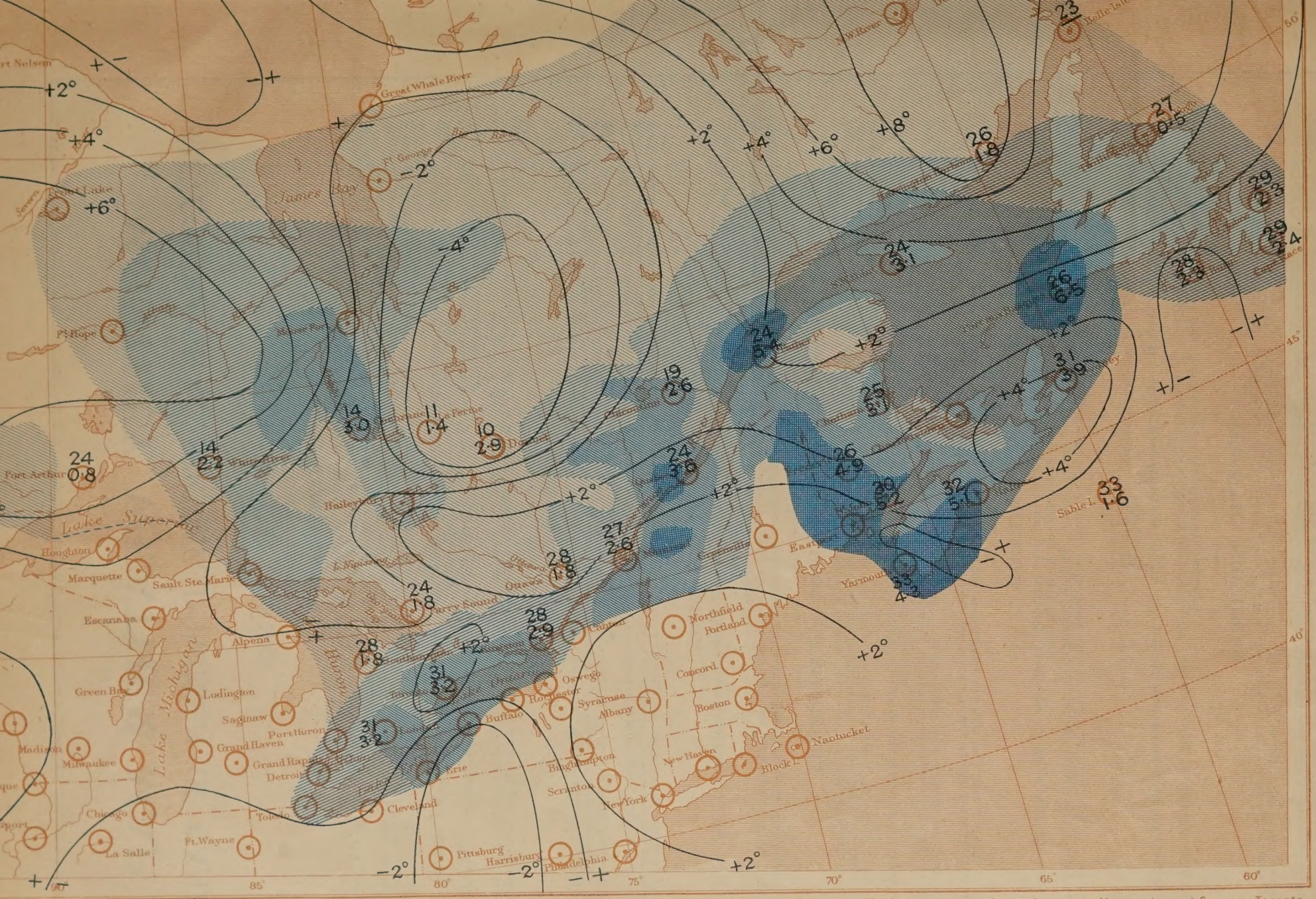
STATION	H	L	P	I	Sg.	SPECIAL REPORTS
Cedars	44°	−1°	2.7		0	
Macdonald College	44°	0°	2.9		0	All roads open. Nearly all snow gone.
Montréal	43°	1°	3.0		T	Patches of snow remaining.
Farnham	55°	−15°	4.1	141	0	Ice gone out of the river.
Brome	57°	17°	4.0		T	River clear of ice while snow is gone except in patches. Very little maple sugar made.
Lennoxville	52°	−18°	4.0	129	T	Some snow in the fields yet. Sunshine below normal amount.
Sherbrooke	46°	26°	3.3	130	0	Sugar season commenced first week. Ice on St. François River broke on March 9th.
Nicolet	43°	−20°	2.9		2	Two good days for making maple sugar.
Sorel	44°	−6°	1.3		5	
St. Gabriel de Brandon	40°	−8°	2.4		30	Too cold for maple sugar but sap began to run freely at end of month.
Donnacona	45°	−7°	6.8		4	Sleet and freezing rain on 25th, 26th and 27th.
Joliette	41°	−10°	1.6			Sugar season has begun. Roads very poor.
Beauceville	45°	−9°	3.7		36	Tapping maple trees for sugar began end of March.
Lake Mégantic	56°	−1°	1.5		27	Maple sugar season began end of month.
Québec	40°	−4°	3.6	143	18	Gales on 10 days.
Cap Rouge	39°	−5°	2.7	128	40	
St. Joachim	41°	−7°	1.2		15	
Armagh	47°	−15°	2.6			
Ste. Anne de la Pocatiére	42°	−1°	3.2	151	48	Snow gone from a few places in the fields. The 26th was very stormy with heavy snowfall.
Chicoutimi	39°	−8°	2.6		16	Ice moving out of Saguenay River on March 31st.
Roberval	47°	0°	2.3		12	Ice about 30 inches thick on Lake St. John. Roads very poor.
Albanel	37°	−14°	1.9	145	24	
Huberdeau	44°	−10°	2.4		18	Sleighing still good.
St. Lin des Laurentides	45°	−17°	0.7			Roads now poor. Sugar-making has begun.
Maniwaki	46°	−32°	2.1			Maple trees tapped for sugar on March 10th. Gatineau River free of ice on the 11th.
La Ferme	35°	−25°	1.5	113		
Ville Marie	30°	−30°	1.8		12	
Mont Laurier	48°	−18°	1.5		3	
Abitibi	38°	−14°	2.1		24	Weather for month was about normal. Towards end of month there was a heavy fall of snow. Ice 28 inches thick.

ATLANTIC PROVINCES

St. John	48°	4°	5.2	180		Ice commenced running out of St. John River on the 13th continuing until the 20th. Ice still holding above Gagetown and lakes.
Aroostook	46°	−20°	5.2		12	Gales with severe drift on 21st and 22nd and again on 26th. Heavy rain on 26th. Sleighing good all month. Ice 16 inches thick and shews no sign of going.
Bathurst	51°	−12°	1.4		7	
Chatham	49°	−9°	3.1		2	Poor sleighing in the country, none in town.
Fredericton	50°	−10°	4.9	149		
Fredericton (Experimental Farm)	49°	−8°	5.1	147		A cold raw month. Ice 20 inches thick in St. John River.
Gagetown	46°	0	4.1			Ice still holding.
Harvey	48°	−5°	3.1		4	Ice in lakes 14 inches thick.
Moncton	55°	−1°	2.7			
Musquash	48°	−4°	5.7			Ice on lakes 6 inches thick.
McAdam Junction	48°	−8°	6.0			High winds on 21st. Ice still firm.
Sussex	52°	1°	3.5			Frost nearly all out of the ground. Roads in good condition.
Woodstock	50°	−13°	4.6			
Halifax	50°	9°	5.1			
Digby	53°	8°	3.8			Heavy winds and gales blowing almost continuously. Bulbs are coming up in gardens and early flowers are in bloom.
Kentville	58°	4°	3.7	156		
Liverpool	51°	2°	5.1			
Nappan	55°	−3°	2.8	134		March was fine with mild weather prevailing. Frequent thawing and freezing was hard on clover and grasses. Lack of snow during early part of month caused hardship to lumbermen.
Sydney	48°	10°	3.9			No ice on harbour, lakes or ponds.
Truro	54°	3°	3.2			
Upper Stewiacke	58°	1°	2.8			Frost out of the ground.
Wolfville	57°	9°	3.8	165		Ice out of Minas Basin first week of March.
Yarmouth	55°	10°	4.3			Roads very bad. Snowdrops in bloom.
Charlottetown	47°	7°	2.8			Ice in Hillsboro River disintegrating.
Charlottetown (Experimental Farm)	49°	5°	3.1	128	T	Snow practically gone. Highways very muddy and travel is difficult.

BRITISH COLUMBIA

STATION	H	L	P	I	STATION	H	L	P	I	STATION	H	L	P	I
Victoria	66°	32°	2.4	165	Chilliwack	73°	25°	4.7		Cranbrook	63°	−6°	0.6	
Sooke	64°	25°	3.4		White Rock	67°	29°	2.6		Revelstoke	64°	4°	2.9	
Sidney	64°	30°	1.5	172	Agassiz	69°	29°	2.3	98	Field	61°	−12°	1.2	
Duncan	71°	20°	2.1		Salmon Arm	68°	8°	0.9	166	Glacier	48°	−8°	4.7	
Nanaimo	71°	29°	1.4	181	Vernon	68°	9°	1.0	184	Kamloops	72°	14°	0.4	226
Vancouver	65°	27°	3.3	169	Oliver	70°	15°	1.1	192	Prince George	68°	−7°	0.6	
New Westminster	66°	27°	3.3		Creston	63°	8°	0.7		Prince Rupert	56°	23°	7.8	



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CE, DOMINION OF CANADA.

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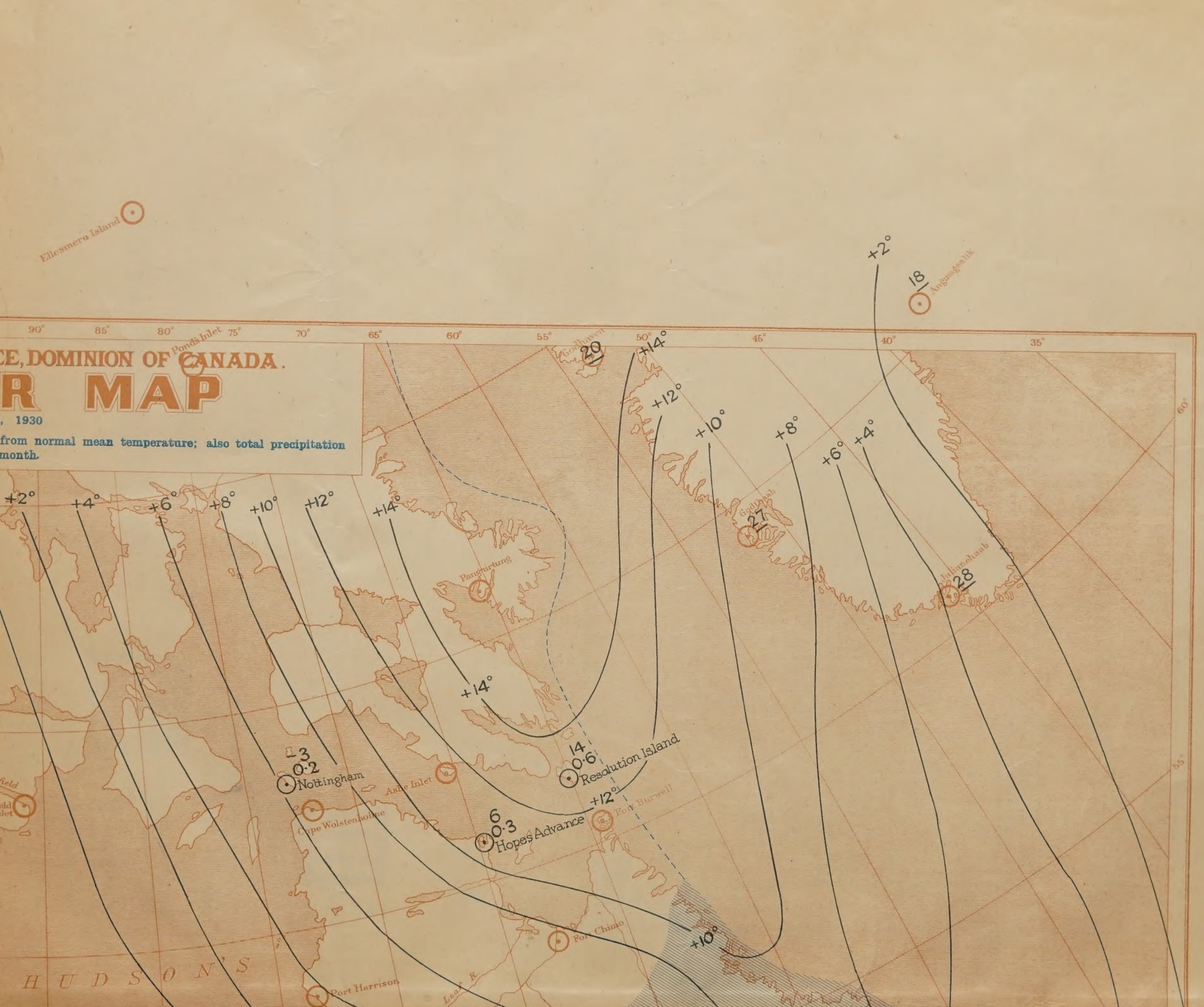
from normal mean temperature; also total precipitation
month.



REFERENCES.
The upper Figures give the mean Temperature.
The lower Figures give the precipitation in inches.
The Black lines shew the difference from the normal mean Temperature.
The shading shews approximately the precipitation of the month.
Less than 1 inch.
Less than 2 inches.
Less than 3 inches.
Less than 4 inches.
More than 4 inches
+6°
+4°
+2°
−
+
Prince George
Kamloops
Seattle
Tacoma
Spokane
Portland
Walla Walla
Lewiston
Nelson
Calgary
Edmonton
Athabaska Landing
Beaver Lodge
Grouard
Mc Murray
Battleford
Medicine Hat
Swift Current
Moose Jaw
Regina
Qu'Appelle
Minnedosa
Winnipeg
The Pas
Norway House
Churchill River
Nelson R.
Hayes R.
Havre
Williston
Devils Lake
Bismarck
Miles City
Billings
Helena
Missoula
Yellowstone Park
Ellendale
Moorhead
Duluth
Sheridan
Pocatello
Lander
Salt Lake City
Rapid City
Pierre
Huron
St. Paul
Valentine
Sioux City
Charles City
Cheyenne
North Platte
Omaha
120°
115°
110°
105°
100°
95°
50°
45°
40°

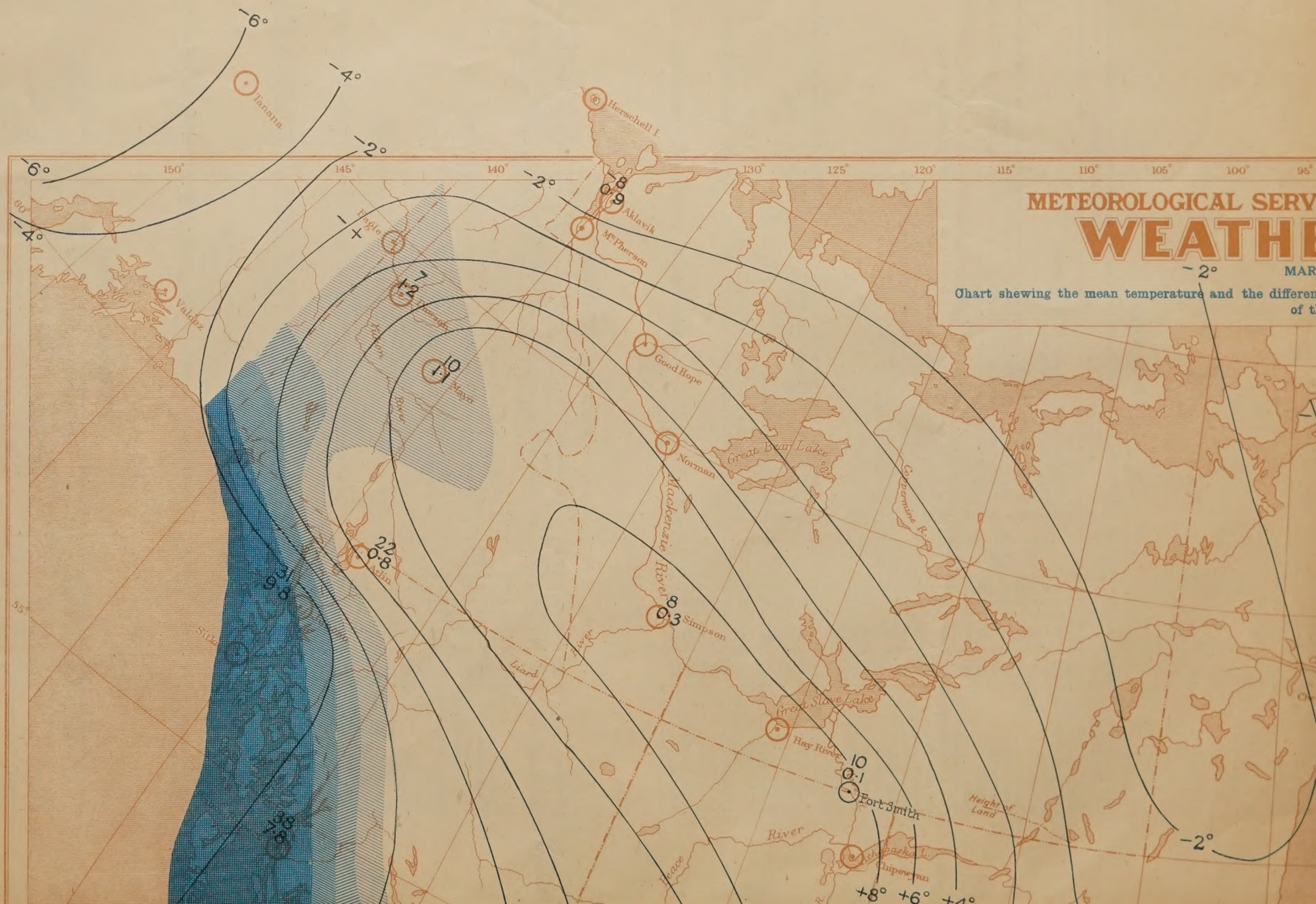

METEOROLOGICAL SERV
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Chart shewing the mean temperature and the differen
of t
-6°
-4°
-2°
Herschell I
Aklavik
McPherson
Good Hope
Norman
Simpson
Fort Smith
Mackenzie River
Great Slave Lake
Great Bear Lake
Peace River
Height of Land
Liard River
Athabasca L.
Chipewyan
Yukon
Eagle
Dawson
Mayo
Selkirk
Ft. Simpson
Wrigley
Ft. Norman
Resolution
Providence
Hay River
Vancouver
Victoria
Calgary
Edmonton
Prince Albert
Winnipeg
Port Arthur
Duluth
Minneapolis
Chicago
Detroit
Toronto
Ottawa
Montreal
Quebec
Boston
New York
Philadelphia
Washington
Pittsburg
Cleveland
Buffalo
Portland
Seattle
Spokane
Helena
Bismarck
Huron
Omaha
Kansas City
St. Louis
Cincinnati
Indianapolis
Milwaukee
Duluth
Minneapolis
Chicago
Detroit
Toronto
Ottawa
Montreal
Quebec
Boston
New York
Philadelphia
Washington
Pittsburg
Cleveland
Buffalo
Portland
Seattle
Spokane
Helena
Bismarck
Huron
Omaha
Kansas City
St. Louis
Cincinnati
Indianapolis
Milwaukee
+8°
+6°
+4°
150°
145°
140°
130°
125°
120°
115°
110°
105°
100°
95°
60°
55°